Index of Claims



Application/Control No.

09/584,259

Examiner
Michael Y. Won

Applicant(s)/Patent under Reexamination

**NOVAES ET AL.** 

Art Unit

2155

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

|          |                       |                     | L                  |          |                    |                    | İ                  |          |          |          |
|----------|-----------------------|---------------------|--------------------|----------|--------------------|--------------------|--------------------|----------|----------|----------|
|          |                       |                     |                    |          |                    |                    |                    |          |          |          |
| Cla      | im                    |                     | _                  |          | [                  | Date               |                    |          |          |          |
| _        | <del>-</del>          | _                   |                    |          |                    |                    |                    |          |          |          |
| Final    | Original              | 8/29/07             |                    |          |                    |                    |                    |          |          |          |
| Į iū     | Ö                     | 8/2                 |                    |          |                    |                    |                    |          |          |          |
|          | -                     |                     |                    |          | _                  |                    |                    |          |          |          |
|          | 1                     | A                   |                    |          |                    |                    |                    |          |          |          |
|          | 2                     | Ц.                  | _                  |          |                    |                    |                    |          | _        |          |
| <u> </u> | 3<br>4<br>5<br>6<br>7 | 1                   |                    |          |                    |                    | _                  |          |          | _        |
|          | 4                     | Н.                  |                    |          |                    |                    | $\vdash$           |          | _        |          |
| <u> </u> | 5                     | 4                   | <u> </u>           |          |                    | _                  |                    |          | _        | Щ        |
| <u> </u> | 6                     | -                   |                    |          | L.                 | <u> </u>           |                    |          |          | Ш        |
| -        | 7                     | $oxed{\bot}$        |                    |          | _                  |                    |                    |          |          | Щ        |
|          | 8_                    | 1                   | _                  | ļ        |                    |                    |                    | _        |          | _        |
|          | 9                     | 4                   | _                  | <u> </u> |                    | _                  |                    |          | _        | Ш        |
|          | 10<br>11<br>12        | $oldsymbol{\perp}$  | <u> </u>           | <u> </u> |                    | _                  | <u> </u>           |          |          | Ш        |
| <u> </u> | 11                    | ₩.                  | <u> </u>           | $\vdash$ | <u> </u>           | _                  | <u> </u>           |          |          | Ш        |
|          | 12                    | $oldsymbol{\sqcup}$ | <b>-</b>           | <u> </u> |                    | <u> </u>           |                    |          | <u> </u> | $\sqcup$ |
|          | 13<br>14<br>15        | 1                   | <u> </u>           | _        | <u> </u>           | <u> </u>           | _                  | <u> </u> | <u> </u> | Ш        |
|          | 14                    | Н                   | <u> </u>           | <u> </u> |                    | _                  | L                  |          | L.       | Ш        |
|          | 15                    | Н                   | <u> </u>           | <u> </u> |                    | <u> </u>           | <u> </u>           |          |          |          |
|          | 16<br>17<br>18        | $\sqcup$            | <u> </u>           | <u> </u> |                    | <u> </u>           | Щ.                 |          |          | Щ        |
|          | 17                    | $\sqcup$            | <u> </u>           | <u> </u> | L_                 | <u> </u>           | L                  | Ш.       |          |          |
|          | 18                    | Ц                   |                    |          | _                  |                    |                    |          |          | Ш        |
|          | 19<br>20              | Ц                   |                    |          |                    |                    |                    |          |          | Ш        |
| <u></u>  | 20                    |                     | _                  |          |                    |                    |                    |          |          |          |
|          | 21                    | Ц                   | _                  | <u> </u> |                    |                    |                    |          |          |          |
|          | 22<br>23              | Ш                   |                    |          |                    |                    |                    |          |          | Ш        |
|          | 23                    | Ш                   |                    | L_       |                    |                    |                    |          |          |          |
|          | 24                    | Ц                   | <u> </u>           |          |                    |                    |                    |          |          |          |
|          | 25<br>26              | Ц                   |                    | L        |                    |                    |                    |          |          | Ш        |
|          | 26                    | Ц                   |                    |          |                    |                    |                    |          | L        |          |
|          | 27                    | Ш                   |                    |          |                    |                    |                    |          |          |          |
|          | 27<br>28              | Ц                   |                    |          | _                  |                    |                    |          |          |          |
|          | 29                    | L                   |                    |          |                    |                    |                    |          |          |          |
|          | 30                    | Ш                   |                    |          |                    |                    |                    |          |          |          |
|          | 31                    | $\coprod$           |                    |          |                    |                    |                    |          |          |          |
|          | 32                    | L                   | oxdot              |          | L                  |                    | $\Box$             |          |          |          |
|          | 33                    | $\prod$             |                    |          | L                  |                    |                    |          |          |          |
|          | 34                    | Ш                   |                    | <u> </u> |                    |                    |                    |          |          | Ш        |
|          | 33<br>34<br>35        | Ц                   |                    |          |                    | L                  | $oxedsymbol{oxed}$ |          |          |          |
|          | 36                    | Ш                   | $oxedsymbol{oxed}$ |          | $oxedsymbol{oxed}$ |                    | $\Box$             |          |          |          |
| <u></u>  | 37                    | $\coprod$           |                    | L        |                    |                    |                    |          |          |          |
|          | 38                    | Ш                   | $oxedsymbol{oxed}$ |          | L                  | 匚                  |                    |          |          |          |
|          | 39                    | $\prod$             |                    |          | L                  |                    | $\Box$             |          |          |          |
| L        | 40                    | Ш                   |                    | L        | <u> </u>           |                    |                    |          | <u> </u> |          |
|          | 41                    | $\Box$              |                    |          |                    | $oxedsymbol{oxed}$ | <u>L_</u>          |          |          |          |
| <u></u>  | 42                    | $\Box$              | oxdot              | L        |                    |                    |                    |          |          |          |
|          | 43                    | $\Box$              |                    |          |                    |                    |                    |          |          |          |
|          | 44                    | $\Box$              | Ĺ                  |          |                    |                    |                    |          |          |          |
|          | 45                    |                     |                    |          |                    |                    |                    |          |          |          |
|          | 46                    | $\square$           |                    |          |                    |                    |                    |          |          |          |
|          | 47                    | $\Box$              |                    |          |                    |                    |                    |          |          |          |
|          | 48                    |                     |                    |          |                    |                    |                    |          |          |          |
|          | 49                    |                     | $\mathbf{E}$       |          |                    |                    |                    |          |          |          |
| 1        | <b>/</b> 50           | =                   |                    |          | L                  |                    |                    |          |          |          |
|          |                       |                     |                    |          |                    |                    |                    |          |          |          |

| Cla            | aim              |  |   |  |              | Date   |              |               |              |              |
|----------------|------------------|--|---|--|--------------|--|--------------|---------------|--------------|--------------|
| - U.           |                  |  |   |  | Ė            | -  |              |               |              | _            |
| Final          | Original         | 8/29/07  |   |  |              |  |              |               |              |              |
| 2              | 51               | =  |   |  |              |  |              | _             |              |              |
| 3 4            | 52<br>53         | =  |   |  |              |  |              |               |              |              |
| 4              | 53               | _  |   |  | _            |  | _            |               |              |              |
| <del>-</del>   | 54               | _  | _   |  |              | -  | -            | _             |              |              |
| 1              | 54<br>55         |  |   |  | _            |  | -            |               | -            |              |
|                | -00-             |  |   |  |              |  |              |               |              |              |
| 5              | 56               | =  |   |  | _            |  |              |               |              |              |
| 6              | 57               | Ξ  |   | _  |              |  |              |               |              |              |
| +=             | -58              | _  |   |  |              |  |              |               |              |              |
| 7              | 58<br>(59)       | =  |   |  |              |  |              |               |              |              |
| _              | 80               |  | -   | Г  |              |  |              |               |              |              |
| 8              | 61               | "  |   |  |              |  |              |               |              |              |
| 9              | 62               | =  | П   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     |               |              | $\vdash$     |
| 10             | 63               | =  | <del> </del>  | <del> </del>                                     | $\vdash$     | $\vdash$   |              | <del></del>   | -            |              |
| 13             | 64               | Ē  | $\vdash$  |  | ├            | $\vdash$   |              | <del></del> - | <del> </del> | $\vdash$     |
|                | 64<br>65         |  | <u> </u>  | <del> </del>                                     | <u> </u>     | $\vdash$   | <u> </u>     | <u> </u>      |              | <u> </u>     |
| 1 44           | 200              | =  |   | $\vdash$   | <u> </u>     | $\vdash$   |              | -             | <u> </u>     | <u> </u>     |
| 11<br>12<br>13 | 66)              | =  | $\vdash$  | $\vdash$   | <u> </u>     | <u> </u>   | $\vdash$     |               |              |              |
| 12             | 67               | =  | $ldsymbol{ld}}}}}}$ |  |              |  |              |               |              | L.           |
| 13             | 68               | =  |   |  |              |  |              |               |              |              |
| 14             | 69               | 11   |   |  |              |  |              |               |              |              |
|                | 70               | _  | -   |  |              |  |              |               |              |              |
|                | <del>-/1</del> - |  |   |  |              |  |              |               | _            |              |
| 15             | 72<br>73<br>74   | =  |   | Г  |              |  |              | _             |              |              |
| 15<br>16       | 73               | =  | $\vdash$  | $\vdash$   |              | -  | $\vdash$     |               | _            |              |
| 17             | 774              | -  | -   | $\vdash$   |              | H  | -            | -             |              |              |
| 17             | 75               | _  |   | $\vdash$   | _            | ├  | _            |               | _            |              |
| 140            | 70               |  | <u>-</u>  | _  |              | <u> </u>   |              |               |              | _            |
| 18             | 76<br>72         | =  | _   |  |              | _  |              |               | _            | L_           |
| 19             | 7                | =  |   | <u> </u>   | _            |  |              |               |              |              |
| 20<br>21       | 78)<br>79        | =  |   |  |              | _  |              | _             |              |              |
| 21             | 79               | =  |   |  |              |  |              |               |              |              |
| 22             | 80               | =  |   |  |              |  |              |               |              |              |
| 23             | 81               | 11   |   |  |              |  |              |               |              |              |
|                | 82               |  | -   |  |              |  |              |               |              |              |
|                | 83               |  | Γ.  |  |              |  | Ι            |               |              |              |
| 24             | 84               | =  | $\vdash$  |  |              |  |              |               | $\vdash$     |              |
| 25             | 85               | =  |   |  | $\vdash$     |  |              | $\vdash$      | _            | $\vdash$     |
| 26             | (86)             | =  | $\vdash$  |  | $\vdash$     | <del>                                     </del> |              | $\vdash$      |              | $\vdash$     |
|                | 87               |  |   | <del>                                     </del> | $\vdash$     |  | $\vdash$     | -             |              | -            |
| 27             | 88               | =  | $\vdash$  | ├  | <del> </del> | -  | $\vdash$     | $\vdash$      | -            |              |
| 28             | 89               | =  | $\vdash$  |  | $\vdash$     |  | $\vdash$     | $\vdash$      | ├—           | <del> </del> |
| 29             | 90               | F  |   | _  | $\vdash$     | _  | $\vdash$     | -             |              | $\vdash$     |
| 29             | 100              | =  | $\vdash$  | <u> </u>   | ├            | ⊢–   | <del> </del> | <u> </u>      | <u> </u>     | <u> </u>     |
| +              | 91               | =  | _   |  | $\vdash$     |  | <u> </u>     |               | ļ            | <u> </u>     |
| <u></u>        | 92               |  | _   | <u> </u>   | <u> </u>     | <u> </u>   | _            |               |              | _            |
|                | 93               | L  |   |  |              | <u> </u>   |              |               | L_           | L.           |
|                | 94               | L  |   | <u> </u>   |              |  |              |               |              |              |
|                | 95               |  |   |  |              |  |              |               | <u> </u>     | L            |
|                | 96               |  |   | L  | L            |  |              | L             | L            | L            |
|                | 97               |  |   |  |              |  |              |               | <u> </u>     |              |
|                | 98               |  |   |  |              |  | Г            |               |              |              |
|                | 99               | Ι  |   |  | Г            |  |              |               |              |              |
|                | 100              | <del>                                     </del> | $\vdash$  |  | $\vdash$     |  | <del> </del> | _             | <u> </u>     |              |
|                | 1.55             |  | Щ_  | L  |              |  |              |               | <u> </u>     |              |

| Tell   Feb   Feb | Cla      | Date  |              |  |          |          |  |  |  |  |                 |
|--|----------|-------|--------------|--|----------|----------|--|--|--|--|-----------------|
| 101  |          |       |              |  |          |          |  |  |  |  | $\neg$          |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>148   | Final    |       |              | :  |          |          |  |  |  |  |                 |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>148   |          | 101   |              |  |          |          |  |  |  |  |                 |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>148   |          | 102   |              |  |          |          |  |  |  |  |                 |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>148   |          | 103   |              |  |          |          |  |  |  |  |                 |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149  |          | 104   |              |  |          |          |  |  |  |  |                 |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149  |          | 105   |              |  |          |          |  |  |  |  |                 |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149  |          | 106   |              |  |          |          |  |  |  |  |                 |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149  |          | 1 107 |              |  |          |          |  |  |  |  |                 |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149  |          | 108   |              |  |          |          | $oxed{oxed}$                                     |  | _  | _  |                 |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149  |          | 109   |              |  |          |          |  |  |  |  |                 |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 142 143 144 145 146 147 148  |          | 1110  | _            |  |          |          | _  |  | _  |  | _               |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 142 143 144 145 146 147 148  |          | 111   |              | <u> </u>   |          | <u> </u> | $\vdash$   | _  | <u> </u>   | ļ  |                 |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 142 143 144 145 146 147 148  |          | 112   | _            | <u> </u>   | <u> </u> | _        | $\vdash$   | _  | _  | $\vdash$   |                 |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149  |          | 113   | <u> </u>     | <u> </u>   | $\vdash$ |          | ļ  | <b></b>  |  | $\vdash$   |                 |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149  |          | 114   |              | -  | $\vdash$ | _        | $\vdash$   |  |  |  | $\vdash$        |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149  |          | 116   |              | $\vdash$   | $\vdash$ | _        | $\vdash$   | -  | $\vdash$   | ⊢  |                 |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149  |          | 117   |              |  |          |          | $\vdash$   | _  |  |  |                 |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148  |          | 118   | $\vdash$     | $\vdash$   | -        |          |  |  | _  | H  | _               |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148  |          | 110   | $\vdash$     | ┝  |          | -        |  |  |  | -  |                 |
| 122  |          | 120   |              |  |          |          |  |  |  |  | H               |
| 122  |          | 121   |              |  |          | _        | -  |  |  |  | _               |
| 124  |          | 122   |              |  |          | -        | -  |  | -  |  |                 |
| 124  |          | 123   |              |  | _        |          |  |  | _  | _  |                 |
| 125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   140  | <u> </u> | 124   |              |  |          | _        | -  |  |  |  | $\Box$          |
| 128  |          | 125   |              | F  |          | _        | Г  |  |  |  |                 |
| 128  |          | 126   |              |  |          |          |  |  |  |  |                 |
| 128  |          | 127   |              |  |          |          |  |  |  |  |                 |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |          | 128   |              |  |          |          |  |  |  |  |                 |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |          | 129   |              |  |          |          |  |  |  |  |                 |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |          | 130   |              |  |          |          |  |  |  |  |                 |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |          | 131   | <u> </u>     |  |          |          |  |  |  | <u> </u>   |                 |
| 134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 132   |              |  |          |          |  |  |  |  |                 |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 133   | <u> </u>     | _  |          |          | ļ  |  |  | L_   |                 |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 134   | _            | <u> </u>   |          | _        |  | ļ  |  | <u> </u>   | Ш               |
| 138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 135   | <u> </u>     | _  |          | _        |  | L  | <u> </u>   | <u> </u>   | -               |
| 138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 136   |              |  |          |          |  | ļ  |  |  |                 |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |          | 137   | <del> </del> | <u> </u>   |          | <u> </u> |  | ┝  |  | ⊢  | $\vdash$        |
| 140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 130   | ├—           |  |          | $\vdash$ |  | _  | -  | $\vdash$   | H               |
| 141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149  |          | 140   |              |  |          |          |  | $\vdash$   | -  | -  | Н               |
| 142<br>143<br>144<br>145<br>146<br>147<br>148  |          | 141   | ┢            | -  | -        | -        |  | -  |  |  | -               |
| 143<br>144<br>145<br>146<br>147<br>148<br>149  |          |       | -            |  |          | -        | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\mid - \mid$   |
| 144<br>145<br>146<br>147<br>148<br>149   |          |       | $\vdash$     | -  | H        |          |  | $\vdash$   | _  | <del>                                     </del> | $\vdash \vdash$ |
| 145<br>146<br>147<br>148<br>149  | -        |       | $\vdash$     |  |          |          |  | $\vdash$   |  | $\vdash$   | $\vdash \vdash$ |
| 146<br>147<br>148<br>149   |          |       |              | <del>                                     </del> | Н        |          | $\vdash$   | $\vdash$   |  |  | $\vdash$        |
| 147<br>148<br>149  |          |       | Ι            | $\vdash$   | -        |          | <del>                                     </del> |  | <del>                                     </del> |  | $\vdash$        |
| 148  |          |       |              |  |          | _        |  | <del>                                     </del> | _  |  | $\square$       |
| 149  |          |       | _            |  |          | _        |  | _  |  | _  |                 |
|  |          |       |              |  |          |          |  |  |  |  |                 |
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